CLAIMS:

1.   An at least partially transparent touch-sensitive switching system comprising
at least two electrodes provided with means for applying a voltage thereto and spaced from
each other by a layer comprising at least one region that optically changes by applying the
voltage, and at least one region comprising a piezoelectric material generating a voltage when
5   applying pressure thereto.

2.   The touch-sensitive switching system of claim 1 wherein at least one of the
electrodes is transparent.

10   3.   The touch-sensitive switching system of claim 1 or 2 wherein the piezoelectric
material is a piezoelectric polymer.

4.   The touch-sensitive switching system of any one of claims 1-3 wherein the
regions that optically change by applying the voltage are regions comprising a fluid or a
15   dispersion of particles in a fluid.

5.   The touch-sensitive switching system of claim 4 wherein the fluid comprises
liquid crystalline molecules.

20   6.   The touch-sensitive switching system of claim 4 wherein the particles are
electrostatically charged.

7.   The touch-sensitive switching system of claim 6 wherein the electrostatically
charged particles have a color that is in contrast to the color of the fluid, or wherein the
25   particles are dispersed in a colorless fluid and the dispersion comprises at least two different
sorts of electrostatically charged particles, whereof the colors are in contrast to each other.

8.   The touch-sensitive switching system of any one of claims 1-7 wherein the regions that optically change by applying the voltage are embedded in a matrix of the piezoelectric material.

5   9.   The touch-sensitive switching system of any one of claims 6-8 wherein the dispersion of electrostatically charged particles in a fluid is enclosed in a capsule of a polymeric material.

10.   An electro-optical display comprising the touch-sensitive switching system of
10   any one of claims 1-9.

11.   The display of claim 10 wherein each region that optically changes by applying the voltage corresponds to one pixel, and wherein each pixel is a pressure-sensitive pixel.